Molecular and Cellular Biochemistry **193:** 159–161, 1999.

Index to Volume 193

Affar EB, Shah RG, Poirier GG: Poly(ADP-ribose) turnover in quail myoblast cells: Relation between the polymer level and its catabolism by glycohydrolase 127–135
Althaus FR, Kleczkowska HE, Malanga M, Müntener CR, Pleschke JM, Ebner M, Auer B: Poly ADP-ribosylation: A DNA break signal mechanism 5–11
Alvarez-Gonzalez R, *see* Pacheco-Rodriguez G
Alvarez-Gonzalez R, Watkins TA, Gill PK, Reed JL, Mendoza-Alvarez H: Regulatory mechanisms of poly(ADP-ribose) polymerase 19–22
Amé J-C, Jacobson EL, Jacobson MK: Molecular heterogeneity and regulation of poly(ADP-ribose) glycohydrolase 75–81
Amici A, *see* Raffaelli N *et al.*
ApSimon MM, *see* Boyonoski AC *et al.*
Auer B, *see* Althaus FR *et al.*
Axelsson B, *see* Pero RW *et al.*

Balducci E, *see* Moss J *et al.*
Berger NA, *see* Chatterjee S *et al.*
Berger SJ, *see* Chatterjee S *et al.*
Bobak DA: Clostridial toxins: Molecular probes of Rho-dependent signaling and apoptosis 37–42
Bortell R, Kanaitsuka T, Stevens LA, Moss J, Mordes JP, Rossini AA, Greiner DL: The RT6 (Art2) family of ADP-ribosyltransferases in rat and mouse 61–68
Boulares H, *see* Simbulan-Rosenthal CM *et al.*
Boyonoski AC, Gallacher LM, ApSimon MM, Jacobs RM, Shah GM, Piorier GG, Kirkland JB: Niacin defiency increases the sensitivity of rats to the short and long term effects of ethylnitrosourea treatment 83–87
Bürkle A, *see* Tatsumi-Miyajima J *et al.*

Cavanaugh E, *see* Moss J *et al.*
Chaplin D, *see* Pero RW *et al.*
Chatterjee S, Berger SJ, Berger NA: Poly(ADP-ribose) polymerase: A guardian of the genome that facilitates DNA repair by protecting against DNA recombination 23–30
Colanzi A, *see* Silletta MG *et al.*
Corda D, *see* Silletta MG *et al.*

Dantzer F, *see* Trucco C *et al.*
De Matteis MA, *see* Silletta MG *et al.*
de Murcia G, *see* Trucco C *et al.*
Di Girolamo M, *see* Silletta MG *et al.*
Dougherty G, *see* Pero RW *et al.*
Dutrillaux B, *see* Trucco C *et al.*

Ebner M, *see* Althaus FR *et al.*
Emanuelli M, *see* Raffaelli N *et al.*

Fiucci G, *see* Silletta MG *et al.*
Flatter E, *see* Trucco C *et al.*

Gallacher LM, *see* Boyonoski AC *et al.*
Gill PK, *see* Alvarez-Gonzalez R *et al.*
Graeff R, *see* Lee HC *et al.*

Greiner DL, *see* Bortell R *et al.*

Hanai S, *see* Miwa M *et al.*
Huang AC, *see* Jacobson EL *et al.*

Iyer S, *see* Simbulan-Rosenthal CM *et al.*

Jacobs RM, *see* Boyonoski AC *et al.*
Jacobson EL, *see* Amé J-C *et al.*
Jacobson EL, Shieh WM, Huang AC: Mapping the role of NAD metabolism in prevention and treatment of carcinogenesis 69–74
Jacobson MK, *see* Amé J-C *et al.*
Javier Oliver F, *see* Trucco C *et al.*

Kanaitsuka T, *see* Bortell R *et al.*
Kim HJ, *see* Moss J *et al.*
Kirkland JB, *see* Boyonoski AC *et al.*
Kleczkowska HE, *see* Althaus FR *et al.*
Konczalik P, *see* Moss J *et al.*
Küpper J-H, *see* Tatsumi-Miyajima J *et al.*

Lee HC, Munshi C, Graeff R: Structures and activities of cyclic ADP-ribose, NAADP and their metabolic enzymes 89–98
Lesma EA, *see* Moss J *et al.*
Lorenzi T, *see* Raffaelli N *et al.*
Luini A, *see* Silletta MG *et al.*

Magni G, *see* Raffaelli N *et al.*
Malanga M, *see* Althaus FR *et al.*
Masson M, *see* Trucco C *et al.*
Masutani M, Nozaki T, Nishiyama E, Shimokawa T, Tachi Y, Suzuki H, Nakagama H, Wakabayashi K, Sugimura T: Function of poly(ADP-ribose) polymerase in response to DNA damage: Gene-disruption study in mice 149–152
Mendoza-Alvarez H, *see* Alvarez-Gonzalez R *et al.*
Ménissier-de Murcia J, *see* Trucco C *et al.*
Mironov A, *see* Silletta MG *et al.*
Miwa M, Hanai S, Poltronieri P, Uchida M, Uchida K: Functional analysis of poly(ADP-ribose) polymerase in *Drosophila melanogaster* 103–108
Mordes JP, *see* Bortell R *et al.*
Moss J, Balducci E, Cavanaugh E, Kim HJ, Konczalik P, Lesma EA, Okazaki IJ, Park M, Shoemaker M, Stevens LA, Zolkiewska A: Characterization of NAD:arginine ADP-ribosyltransferases 109–113
Moss J, *see* Bortell R *et al.*
Moss J, Vaughan M: Activation of toxin ADP-ribosyltransferases by eukaryotic ADP-ribosylation factors 153–157
Munshi C, *see* Lee HC *et al.*
Müntener CR, *see* Althaus FR *et al.*

Nakagama H, *see* Masutani M *et al.*
Niedergang C, *see* Trucco C *et al.*
Nishiyama E, *see* Masutani M *et al.*
Nozaki T, *see* Masutani M *et al.*

Okamoto H: The CD38-cyclic ADP-ribose signaling system in insulin secretion
Okazaki IJ, *see* Moss J *et al.*

Pacheco-Rodriguez G, Alvarez-Gonzalez R: Measurement of poly(ADP-ribose) glycohydrolase activity by high resolution polyacrylamide gel electrophoresis: Specific inhibition by histones and nuclear matrix proteins 13–18

Park M, *see* Moss J *et al.*
Pero RW, Axelsson B, Siemann D, Chaplin D, Dougherty G: Newly discovered anti-inflammatory properties of the benzamides and nicotinamides 119–125
Piorier GG, *see* Boyonoski AC *et al.*
Poirier GG, *see* Affar EB *et al.*
Pisani FM, *see* Raffaelli N *et al.*
Pleschke JM, *see* Althaus FR *et al.*
Poltronieri P, *see* Miwa M *et al.*

Raffaelli N, Emanuelli M, Pisani FM, Amici A, Lorenzi T, Ruggieri S, Magni G: Identification of the archaeal NMN adenylyltransferase gene 99–102
Reed JL, *see* Alvarez-Gonzalez R *et al.*
Rolli V, *see* Trucco C *et al.*
Rosenthal DS, *see* Simbulan-Rosenthal CM *et al.*
Rossini AA, *see* Bortell R *et al.*
Ruggieri S, *see* Raffaelli N *et al.*

Santone I, *see* Silletta MG *et al.*
Shah GM, *see* Boyonoski AC *et al.*
Shah RG, *see* Affar EB *et al.*
Shieh WM, *see* Jacobson EL *et al.*
Shimokawa T, *see* Masutani M *et al.*
Shoemaker M, *see* Moss J *et al.*
Siemann D, *see* Pero RW *et al.*
Silletta MG, Colanzi A, Weigert R, Di Girolamo M, Santone I, Fiucci G, Mironov A, De Matteis MA, Luini A, Corda D: Role of brefeldin A-dependent ADP-ribosylation in the control of intracellular membrane transport 43–51
Simbulan-Rosenthal CM, Rosenthal DS, Iyer S, Boulares H, Smulson ME: Involvement of PARP and poly(ADP-ribosyl)ation in the early stages of apoptosis and DNA replication 137–148
Smulson ME, *see* Simbulan-Rosenthal CM *et al.*
Stevens LA, *see* Bortell R *et al.*
Stevens LA, *see* Moss J *et al.*
Sugimura T, *see* Masutani M *et al.*
Suzuki H, *see* Masutani M *et al.*

Tachi Y, *see* Masutani M *et al.*
Takebe H, *see* Tatsumi-Miyajima J *et al.*
Tatsumi-Miyajima J, Küpper J-H, Takebe H, Bürkle A: *Trans*-dominant inhibition of poly(ADP-ribosyl)ation potentiates alkylation-induced shuttle-vector mutagenesis in Chinese hamster cells 31–35
Trucco C, Rolli V, Javier Oliver F, Flatter E, Masson M, Dantzer F, Niedergang C, Dutrillaux B, Ménissier-de Murcia J, de Murcia G: A dual approach in the study of poly (ADP-ribose) polymerase: *In vitro* random mutagenesis and generation of deficient mice 53–60

Uchida K, *see* Miwa M *et al.*
Uchida M, *see* Miwa M *et al.*

Vaughan M, *see* Moss J

Wakabayashi K, *see* Masutani M *et al.*
Watkins TA, *see* Alvarez-Gonzalez R *et al.*
Weigert R, *see* Silletta MG *et al.*

Zolkiewska A, *see* Moss J *et al.*